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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/603,618	06/26/2003	Ching-Bin Huang	HUAN3195/EM	4477
23364	7590	10/03/2005	EXAMINER	
BACON & THOMAS, PLLC 625 SLATERS LANE FOURTH FLOOR ALEXANDRIA, VA 22314			SHANKAR, VIJAY	
			ART UNIT	PAPER NUMBER
			2673	

DATE MAILED: 10/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/603,618

Applicant(s)

HUANG ET AL.

Examiner

VIJAY SHANKAR

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 26 June 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Kung et al (6,310,768).

Regarding Claim 1, Kung et al teaches a video signal converter adapted to receive an input video signal from a host and to transmit an output video signal to a detachable display module of a portable computer, the display module being provided with a fastening element, the video signal converter comprising: a base adapted for supporting the display module thereon (Figs.1-2); a latch unit mounted on the base and adapted to engage removably the fastening element on the display module when the display module is supported on the base, thereby retaining removably the display module on the base (Figs.1-3; Col.3, lines 10-45); an input electrical connector mounted on the base and adapted to be coupled electrically to the host for receiving the input video signal therefrom (Figs.1-2; Col.2, line 48- Col.3, line 11); a video signal processing unit mounted in the base, coupled electrically to the input electrical connector, and operable so as to convert the input video signal into the output video signal that is suitable for use by the display module (Summary; Figs.1,6; Col.2, line 43- Col.4, line 11); and an output electrical connector mounted on the base, coupled

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electrically to the video signal processing unit, and adapted to be coupled electrically to the display module when the display module is retained on the base so as to permit transmission of the output video signal from the video signal processing unit to the display module (Figs.1-2; Col.2, line 48- Col.4, line 11).

Regarding Claim 2, Kung et al teaches the video signal converter wherein the display module having a bottom side formed with the fastening element, wherein the latch unit includes a latch member movable between a latched position, where the latch member is adapted to engage the fastening element, and an unlatched position, where the latch member is adapted to disengage from the fastening element. (Figs.1-3; Col.3, lines 10-45).

Regarding Claims 3,7, Kung et al teaches the video signal converter wherein the latch unit further includes a biasing spring for biasing the latch member to the latched position; and the biasing spring is a torsion spring having a first spring end acting on the latch member and a second spring end acting on the base. ( See Col.3, lines 10-45).

Regarding Claim 4, Kung et al teaches the video signal converter wherein the base has a display supporting side that is disposed to confront the bottom side of the display module when the display module is supported on the base, the display supporting side being formed with a groove that is confined by a groove-defining

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wall, the latch member being disposed in the groove and being connected pivotally to the groove-defining wall. (Figs.1-3; Col.2, line 45- Col.3, line 45).

Regarding Claim 5, Kung et al teaches the video signal converter wherein the latch member has a hook end adapted to engage removably the fastening element on the display module when the display module is supported on the base. (Figs.1-3; Col.3, lines 1-45).

Regarding Claim 6, Kung et al teaches the video signal converter wherein the latch unit further includes a release member connected to the latch member and extending outwardly of the groove, thereby permitting operation of the release member for moving the latch member to the unlatched position against biasing action of the biasing spring. (Figs.1-3; Col.2, line 55- Col.3, line 45).

Regarding Claim 8, Kung et al teaches the video signal converter the bottom side of the display module being provided with a video port, wherein the output electrical connector is mounted on the display supporting side of the base so as to be adapted to connect electrically with the video port of the display module when the display module is retained on the base. (Figs.1-3; Col.2, line 45- Col.3, line 45).

Regarding Claim 9, Kung et al teaches the video signal converter wherein the display supporting side of the base has two end portions opposite to each

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other in a longitudinal direction, the groove being formed in one of the end portions of the display supporting side. (Figs.1-4, Col.2, line 55- Col.3, line 45).

Regarding Claim 10, Kung et al teaches the video signal converter wherein the display supporting side of the base is provided with a guide unit that is adapted for guiding movement of the bottom side of the display module toward and away from the display supporting side. ( Col.2, line 45- Col.3, line 45).

Regarding Claim 11, Kung et al teaches the video signal converter wherein the bottom side of the display module being provided with a guide post, wherein the guide unit includes a guide hole formed in the display supporting side of the base and adapted to permit extension of the guide post . (Figs.1-3; Col.2, line 45- Col.3, line 45).

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

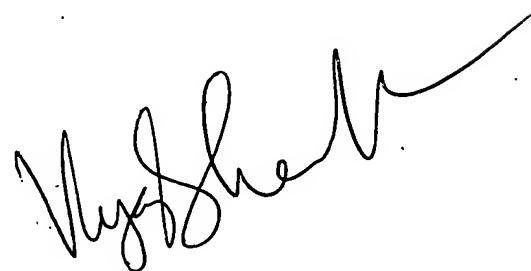
Lee et al, Ohmori, Mallory et al, Newman et al, all teach portable computer with detachable display.

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VIJAY SHANKAR whose telephone number is (571) 272-7682. The examiner can normally be reached on M-F 7:00 am - 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BIPIN SHALWALA can be reached on (571) 272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



VIJAY SHANKAR  
Primary Examiner  
Art Unit 2673

VS